

Key Site
JUNEAU

Surveillance

Air Traffic Control

ADS-B

AUTOMATIC DEPENDENT SURVEILLANCE - BROADCAST

Traffic Information

Flight Information

Juneau

Service Volume and Anchorage Center Service Delivery Point

Infrastructure <ul style="list-style-type: none"> 4 ADS-B radio stations for low en route coverage Wide Area Multilateration 	Service Volumes <ul style="list-style-type: none"> Floor: 500 ft. mean sea level Ceiling: 13,000 ft. mean sea level
Services <ul style="list-style-type: none"> Air traffic control separation services <ul style="list-style-type: none"> ADS-B / ADS-R Wide Area Multilateration Traffic Information Broadcast Services (TIS-B) <ul style="list-style-type: none"> TIS-B source: Wide Area Multilateration Flight Information Broadcast Services (FIS-B) Interface Protocols <ul style="list-style-type: none"> Asterix Category 33 for position data reports and Asterix Category 023 service status reports 	Service Delivery Point (SDP) <ul style="list-style-type: none"> Primary service delivery point: MEARTS automation system at Anchorage Center Other service delivery point <ul style="list-style-type: none"> Juneau Air Traffic Control Tower Surveillance and Broadcast Services monitor receives service status reports and equipment status reports, as well as ADS-B, TIS-B and FIS-B data FAA monitoring at the William J. Hughes Technical Center and the Aeronautical Center Service certification is at the service delivery point for each automation platform Delivery of TIS-B and FIS-B to aircraft equipped with ADS-B avionics and a multi-function display Aircraft receiving TIS-B must be equipped with ADS-B 'Out' and 'In'; FIS-B requires ADS-B 'In' only
Applications <ul style="list-style-type: none"> Air traffic control surveillance Enhanced visual acquisition Enhanced visual approaches Weather and NAS situational awareness 	Benefits <ul style="list-style-type: none"> Improved search and rescue Increased instrument flight rules capacity FIS-B / TIS-B <ul style="list-style-type: none"> Reduce risk of midair collisions Reduce risk of weather-related accidents More efficient routes in adverse weather

